Cisco TelePresence Quick Set C20

Cisco TelePresence Quick Set C20 includes the Codec C20, Cisco TelePresence PrecisionHD Camera, Cisco TelePresence Precision MIC 20, remote control and cables.

The Cisco TelePresence™ portfolio creates an immersive, in-person experience over the network - empowering you to collaborate with others like never before. Through a powerful combination of technologies and design that allows you and remote participants to feel as if you are all in the same room, the Cisco TelePresence portfolio has the potential to provide great productivity benefits and transform your business. Many organizations are already using it to manage costs, make decisions faster, improve customer intimacy, scale scarce resources, and speed products to market.

Product Overview

With the Cisco TelePresence Quick Set C20 (Quick Set C20), you can transform any meeting space into a video communications hub. The C20 delivers the absolute quality of 1080p video in a simple-to-deploy, easy-to-manage and easy-to-use system. Whether you're just getting started with video communications or conducting a large-scale deployment, the Quick Set C20 delivers the performance you would expect from a larger system - in a compact, feature-rich package.

Cisco TelePresence Quick Set C20 Features

Table 1 summarizes the key features for the Cisco TelePresence Quick Set C20.

Table 1.   Cisco TelePresence Quick Set C20 Feature Summary

Feature Summary	
Design Features	- Transforms a flat panel display into a 1080p high-definition meeting space - Simple, intuitive connections make set up as easy as connecting a DVD player - Cisco TelePresence Quick Set C20 provides up to 1080p30 and 720p60 resolution Standards-compliant 1080p solution - compatible with standards-based video without loss of features - Sleek, compact design
Application Features	- Share multimedia and presentations at the touch of a button - Basic API available over IP (Telnet or SSH) - Dual-display option available - HD content sharing with 720p and WXGA
Performance Features	- Optimal definition up to 1080p30/720p30 - H.323/SIP up to 6 Mbps - Takes advantage of the Cisco® TelePresence Total Solution, including Cisco TelePresence Multiway, recording and streaming and firewall traversal services - Can be supported on the Cisco WebEx Telepresence network

Product Capabilities

Table 2 provides a listing of the product capability specifications for the Cisco TelePresence Quick Set C20.

Table 2.   Product Specifications

Specification	Description
Set Delivered Complete With:	Codec C20, Cisco TelePresence PrecisionHD Camera - 1080p4x or Cisco TelePresence PrecisionHD Camera - 1080p12x, Cisco TelePresence Precision MIC 20, remote control, cables and power supply
Bandwidth	H.323/SIP up to 6 Mbps point-to-point
Minimum bandwidth for resolution/frame rate	720p30 from 768 kbps 720p60 from 1152 kbps 1080p30 from 1472 kbps
Firewall Traversal	- Cisco TelePresence Expressway Technology - H.460.18, H.460.19 Firewall Traversal
Video Standards	H.261, H.263, H.263+, H.264
Video Features	- Native 16:9 Widescreen - Advanced Screen Layouts - Intelligent Video Management - Local Auto Layout
Video Inputs (2 Inputs)	**1 X HDMI Inputs, Supported Formats:** 1920 x 1080@60 fps (1080p60) 1920 x 1080@50 fps (1080p50) 1920 x 1080@30 fps (1080p30) 1920 x 1080@25 fps (1080p25) 1280 x 720@60 fps (720p60) 1280 x 720@50 fps (720p50) 640 x 480@60 fps (480p60) 800 x 600@60 fps (SVGA) 1024 x 768@60, 70, 75, 85 fps (XGA) 1280 x 1024@60, 75 fps (SXGA) **1 X DVI-I Inputs, Supported Formats:** Analog (VGA):

Specification	Description
	• 1920 x 1080@60 Hz (1080p) • 1280 x 720@60 Hz (720p) • 1600 x 1200@60 Hz (UXGA) • 1280 x 1024@60, 75 Hz (SXGA) • 1280 x 960@60 Hz • 1024 x 768@60, 70, 75, 85 Hz (XGA) • 1920 x 1200@50 Hz (WUXGA) • 1680 x 1050@60 Hz (WSXGA+) • 1440 x 900@60 Hz (WXGA+) • 1280 x 800@60 Hz (WXGA) • 1280 x 768@60 Hz (WXGA) Digital (DVI-D): • 1920 x 1080@60 fps (1080p60) • 1920 x 1080@50 fps (1080p50) • 1920 x 1080@30 fps (1080p30) • 1920 x 1080@25 fps (1080p25) • 1280 x 720@60 fps (720p60) • 1280 x 720@50 fps (720p50) • 640 x 480@60 fps (480p60) • 800 x 600@60 fps (SVGA) • 1024 x 768@60, 70, 75, 85 fps (XGA) • 1280 x 1024@60, 75 fps (SXGA)
Video Outputs (2 Outputs)	**2 x HDMI Output, Supported Formats:** • 1920 x 1080@60fps (1080p60) • 1280 x 720@60fps (720p60) • 1366 x 768@60fps (WXGA) • 1280 x 768@60fps (WXGA) • 1024 x 768@60fps (XGA) • 1280 x 1024@60fps (SXGA) • 640 x 480@60fps (VGA) • 800 x 600@60fps (SVGA) **Live Video Resolutions (Encode/Decode):** • 176 x 144@30, 60fps (QCIF) • 352 x 288@30, 60fps (CIF) • 512 x 288@30, 60fps (w288p) • 576 x 448@30, 60fps (448p) • 768 x 448@30, 60fps (w448p) • 704 x 576@30, 60fps (4CIF) • 1024 x 576@30, 60fps (w576p) • 640 x 480@30, 60fps (VGA) • 800 x 600@30, 60fps (SVGA) • 1024 x 768@30fps (XGA) • 1280 x 768@30fps (WXGA) • 1280 x 720@30, 60 fps, HD720p60) • 1920 x 1080@30fps (HD1080p30)
Audio Standards	• G.711, G.722, G.722.1, 64 bit MPEG4 AAC-LD
Audio Features	• CD-Quality 20KHz Mono • 1 acoustic echo canceller • Automatic Gain Control (AGC) • Automatic Noise Reduction • Active lip synchronization
Audio Inputs (4 Inputs)	• 2 x microphone, 4-pin MiniJack • 2 x RCA/Phono (mixed to mono)
Audio Outputs (3 Outputs)	• 2 x RCA/Phono (dual mono)1 x HDMI, (digital main audio)

Specification	Description
Dual Stream	• H.239 (H.323) dual stream • BFCP (SIP) dual stream • Support resolutions up to WXGA (1280 x 768) • When Dual video stream is activated the main video stream maximum is 720p 30fps
MultiPoint Support	• Cisco TelePresence Multiway support (requires Cisco TelePresence Video Communication Server [Cisco VCS] and Cisco TelePresence MCU) • Ability to natively join multipoint conferences hosted on Cisco Telepresence Multipoint Switch (CTMS)
Protocols	• H.323 • SIP • ISDN (requires Cisco TelePresence ISDN Link)
Embedded Encryption	• H.323/SIP point-to-point • Standards-based: H.235 v2 & v3 and AES • Automatic key generation and exchange • Supported in Dual Stream
IP Network Features	• DNS lookup for service configuration • Differentiated Services (QoS) • IP adaptive bandwidth management (including flow control) • Auto gatekeeper discovery • Dynamic playout and lip-sync buffering • H.245 DTMF tones in H.323 • Date and Time support via NTP • Packet Loss-based Downspeeding • URI Dialing • TCP/IP • DHCP • 802.1x network authentication • Medianet: Mediatrace and Metadata
Security Features	• Management via HTTPS and SSH • IP Administration Password • Menu Administration Password • Disable IP services • Network Settings protection
Network Interfaces	• 1 x LAN/Ethernet (RJ-45) 10/100/1000 Mbit
Other Interfaces	• USB host for future usage
Cisco TelePresence PrecisionHD Camera - 1080p12x	• 1/3" CMOS • 12 x zoom • +15°/-25° tilt, +/- 90° pan • 43.5° vertical field of view • 72° horizontal field of view • Focus distance 0.3m-infinity • 1920 x 1080 pixels progressive @ 60fps • Other formats supported (configurable through Dip-switch): 1920 x 1080@60 fps (HDMI only), 1920 x 1080@50 fps (HDMI only), 1920 x 1080@30 fps, 1920 x 1080@25 fps, 1280 x 720@60 fps, 1280 x 720@50 fps, 1280 x 720@30 fps, 1280 x 720@25 fps • Automatic or manual focus/brightness/white balance • Far-end camera control • Dual HDMI and HD-SDI output • Upside-down mounting with automatic flipping of picture

Specification	Description
Cisco TelePresence PrecisionHD Camera - 1080p4x	1/3" CMOS 4 x zoom +15°/-25° tilt, +/- 90° pan 43.5° vertical field of view 72° horizontal field of view - Focus distance 0.3m-infinity 1920 x 1080 pixels progressive @ 30fps/1280 x 720 pixels progressive @ 60fps - Automatic or manual focus/brightness/white balance - Far-end camera control - Upside-down mounting with manual flipping of picture
System Management	- Support for the Cisco TelePresence Management Suite - Total management via embedded SNMP, Telnet, SSH, XML, SOAP - Remote software upload: via web server, SCP, HTTP, HTTPS - Remote control and on-screen menu system
Directory Services	- Support for Local directories (My Contacts) - Corporate Directory - Unlimited entries using Server directory supporting LDAP and H.350 - Unlimited number for Corporate directory (through Cisco TelePresence Management Suite) 200 number local directory - Received Calls - Placed Calls - Missed Calls with Date and Time
Power	- Auto-sensing power supply 100-240 VAC, 50/60 Hz 75 watts max. for codec and main camera
Operating Temperature and Humidity	0°C to 35°C (32°F to 95°F) ambient temperature 10% to 90% Relative Humidity (RH)
Storage and Transport Temperature	-20°C to 60°C (-4°F to 140°F) at RH 10-90% (non -condensing)
Dimensions Codec C20	- Length: 13.8"/35.0 cm - Height: 1.2"/3.0 cm - Depth: 5"/12.7 cm - Weight: 4 lb/1.8 kg

* Requires option.

Regulatory Compliance

- Directive 2006/95/EC (Low-Voltage Directive) - Standard EN 60950-1
- Directive 2004/108/EC (EMC Directive) - Standard EN 55022, Class A - Standard EN 55024 - Standard EN 61000-3-2/-3-3
- Approved according to UL 60950-1 and CAN/CSA-C22.2 No. 60950-1-07
- Complies with FCC15B Class A

Ordering Information

To place an order, contact your Cisco sales representative.

Table 3.   Ordering Information

Product Name	Part Number	Compliance Model Number
Cisco TelePresence Quick Set C20	**CTS-QSC20-K9**	**TTC7-18 (Codec C20)** **TTC8-02 (Camera)** **TTC8-04 (Camera)**
Comes with: Cisco TelePresence System Codec C20, Natural Presenter Package, remote control, 1 Cisco Precision Microphone 20, power and connection cables. Must also order the HD option (see below)		
Ordering Requirements for the Cisco TelePresence Quick Set C20		
High Definition for Cisco TelePresence Quick Set C20	LIC-QSC20-HD	
Camera Options for the Cisco TelePresence Quick Set C20 - choose one		
Cisco TelePresence PrecisionHD Camera - 1080p4x	CTS-PHD1080P4XS1	TTC8-04
Cisco TelePresence PrecisionHD Camera - 1080p12x	CTS-PHD1080P12XS	TTC8-02
Additional Ordering Options for the Cisco TelePresence Quick Set C20		
Premium Resolution option for Cisco TelePresence Quick Set C20	LIC-QSC20-PR	
Extra Cisco Precision Microphone 20 for Cisco TelePresence Quick Set C20	CTS-QSC20-MIC	
Wall Mount Kit for Cisco TelePresence Quick Set C20	CTS-QSC20-WMK	
Dual Display option for Cisco TelePresence Quick Set C20	LIC-QSC20-DD	
Cisco TelePresence Quick Set C20 - *Standard Definition*	**CTS-QSC20SD-K9**	**TTC7-18 (Codec C20)** **TTC8-02 (Camera)** **TTC8-04 (Camera)**
Comes with: Cisco TelePresence System Codec C20, Natural Presenter Package, remote control, 1 Cisco Precision Microphone 20, power and connection cables		
Camera Options for the Cisco TelePresence Quick Set C20, Standard Definition - Choose One		
Cisco TelePresence PrecisionHD Camera - 1080p4x	CTS-PHD1080P4XS1	TTC8-04
Cisco TelePresence PrecisionHD Camera - 1080p12x	CTS-PHD1080P12XS	TTC8-02
Additional Ordering Options for the Cisco TelePresence Quick Set C20, Standard Definition		
Extra Cisco Precision Microphone 20 for Cisco TelePresence Quick Set C20	CTS-QSC20-MIC	
Wall Mount Kit for Cisco TelePresence Quick Set C20	CTS-QSC20-WMK	
Dual Display option for Cisco TelePresence Quick Set C20	LIC-QSC20-DD	

Service and Support

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you realize the full value of your Cisco TelePresence investment by increasing business agility and network availability. This portfolio of services accelerates business innovation through a network-based collaboration platform that enables businesses to collaborate anywhere, anytime. For more information about these services, visit: http://www.cisco.com/go/telepresenceservices.

For More Information

For more information about the Cisco TelePresence Quick Set C20, visit http://www.cisco.com/go/telepresence or contact your local Cisco account representative or authorized Cisco partner. Product specifications are estimates and subject to change without notice.

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